IDW/1626

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**


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| In re Applicant: | Yoav LUXEMBOURG et al | § | |
| Serial No.: | 10/551,522 | § | |
| Filed: | September 30, 2005 | § | Group Art Unit: 1626 |
| For: | NOVEL COUPLING AGENT AND USES THEREOF | § | Attorney Docket: 30626 |
| Examiner: | CHU, YONG LIANG | § | |

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a PTO Form 1449 which lists citations which may be material to the patentability and examination of the above identified application. Also enclosed are copies of the references cited. These are submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. The Examiner is requested to make these citations of official record in this application.

The article listed on PTOL-1449 entitled *N-[Chloro(dimethylamino)methylene]-N-methylmethanaminium chloride (TMUCl CL), the reagent of choice for the solid-phase synthesis of anilides*, published on August 8, 2005 in "Tetrahedron Letters" in Vol. 46, Issue 32, at pages 5383-5386, **does not constitute prior art** of another since it describes the invention of Applicants'.

While authored by Mark Vendrell, Miriam Royo, Ruben Ventura, and Fernando Albericio, along with an inventor Ariel Ewenson, the actual inventors of the invention described in the above-identified application are Yoav Luxembourg, Youval Shvo and said Ariel Arenson.

The other authors identified on the publication Mark Vendrell, Miriam Royo, Ruben Ventura, and Fernando Albericio, operated under the guidance and supervision of Yoav Luxembourg, Youval Shvo and Ariel Arenson.

Two Declarations under 35 U.S.C. 132 from Yoav Luxembourg, Youval Shvo and Ariel Arenson: and Mark Vendrell, Miriam Royo, Ruben Ventura, and Fernando Albericio are submitted herewith along with this Information Disclosure Statement attesting to this fact.

Accordingly, the article "*N-[Chloro(dimethylamino)methylene]-N-methylmethanaminium chloride (TMUCl CL), the reagent of choice for the solid-phase synthesis of anilides*, published on August 8, 2005 in "Tetrahedron Letters" in Vol. 46, Issue 32, at pages 5383-5386, is not prior art relative to the above-identified application.

This Information Disclosure Statement under 37 CFR 1.56 is not to be construed as a representation that a search has been made, that additional matter which is material to the examination of this application does not exist, or that any or more of these citations constitutes prior art.

Respectfully submitted,

Martin D. Moynihan
Registration No. 40,338

Dated: March 15, 2007

PTO/SB/08b (08-03)
Approved for use through 06/30/2006. OMB 0651-003
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERC



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

| Complete if Known | |
|---|---|
| Application Number | 10/551,522 |
| Filing Date | September 30, 2005 |
| First Named Inventor | Yoav LUXEMBOURG et al |
| Group Art Unit | 1626 |
| Examiner Name | CHU, YONG LIANG |
| Attorney Docket Number | 30626 |

Sheet 1 Of 1

| Examiner Initials | Cite No.[1] | OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS<br>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published. | T[2] |
|---|---|---|---|
| | 1 | Albericio et al. "On the Use of PyAOP, A Phosphonium Salt Derived From HOAt, in Solid-Phase Peptide Synthesis", Tetrahedron Letters, 38(27): 4853-4856, 1997. | |
| | 2 | Carpino et al. "1-Hydroxy-7-Azabenzotriazole. An Efficent Peptide Coupling Additive", Journal of the American Chemical Society, 115: 4397-4398, 1993. | |
| | 3 | "IUPAC-IUB Commission on Biochemical Nomenclature Symbols for Amino-Acid Derivatives and Peptides Recommendations (1971)", The Journal of Biological Chemistry, 247(4): 977-983, 1972. | |
| | 4 | Ueki et al. "A New One-Pot Method for Fmoc Solution Synthesis", Peptides, Proceedings of the 25th European Peptide Symposium, Akademiai Kiado, Budapest, P.252-253, 1998. | |
| | 5 | Coste et al. "PyBOP®: A New Peptide Coupling Reagent Devoid of Toxic By-Product", Tetrahedron Letters, 31(2): 205-208, 1990. | |
| | 6 | Albericio et al. "Coupling Methods: Solid-Phase Formation of Amide and Ester Bonds", Solid-Pase Synthesis: A Practical Guide, Chap.6: 275-330, 2000. | |
| | 7 | Vendrell et al. "N-[Chloro(Dimethylamino)Methylene]-N-Methylmethanaminium Chloride (TMUCl Cl), the Reagent of Choice for the Solid-Phase Synthesis of Anilidis", Tetrahedron Letters, 46(32): 5383-5386, 2005. | |
| | 8 | PCT Search Report and Written Opinion PCT/IL05/00886 dated 22 March 2006. | |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
[1]. Applicant's unique citation designation number (optional). [2]. Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.
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